Early Science Program Proposals

All Fields Required

If you are revising a previously-submitted proposal, you should see your existing information filled in below. You may revise any fields, and upload replacements for any previously-uploaded documents.

SECTION I: Principal Investigator Information

PI First Name:

PI Last Name:

Title (Dr., Mr., Ms., etc.):

Institution:

Street Address:

City:

State:

Zipcode:

Email:

SECTION II: Co-PIs (Optional)

	First Name	Last Name	Email
delete row			

add row

SECTION III: Project Information

Project Title:

Science Category:

Biological Sciences, Bioinfomatics

Project Summary

Please upload an executive summary that accurately describes your proposed research and the high-impact scientific advances you will realize with access to early resources at the ALCF. (1/2 page)

Choose File No file chosen

Please upload a description of the benefit to the science and HPC community of enabling your application(s) in the early phase of the next-generation system deployment. (1/2 page)

Choose File No file chosen

Please provide a project summary in two sentences that can be used to describe the impact of your project to the public (50 words maximum):

Science Summary

Please upload a description of the science problem you would like to address in the 2012 time frame. Include research that will need to be completed in the next two years to lead up to this work (1 page):

Choose File No file chosen

Application Summary

Please upload a list of your application requirements, including: languages, libraries, current parallel method (MPI, OpenMP, etc.) 1 page):

Choose File No file chosen

Please upload a description of the current application, including methods, parallelization, I/O, etc. (1 page):

Choose File No file chosen

Please upload a description of the code and/or algorithmic development you believe will be necessary to exploit an increase in parallelism per-node and an increase in overall levels of parallelism. Include work that will be needed in MPI parallelism (1 page):

Choose File No file chosen

Estimate of Resources Requested

Please estimate, to the best of your ability, the resources that your project will require and explain how you derived the estimate. For the next-generation system, estimates should be based on approximate extrapolations from current application performance.

Blue Gene/P Hours:

Blue Gene/P TB of Storage:

Blue Gene/P TB of (archival) Storage:

Please upload a brief schedule (1/2 page) for how you would use that time: scaling tests, development, verification, parameter sweeps, etc. for the Blue Gene/P to prepare for early access systems and final system.

Choose File No file chosen

Next-Generation Blue Gene Hours:

Next-Generation Blue Gene TB of Storage:

Next-Generation Blue Gene TB of (archival) Storage:

Please upload a brief schedule (1/2 page) for how you would use that time: scaling tests, development, verification, parameter sweeps, etc. for the next-generation Blue Gene.

Choose File No file chosen

Funding Sources

List the Program Office and grant numbers for Department of Energy Office of Science's support of the project, if any:

If applicable, list any other funding sources together with the applicable grant numbers that support this project:

submit proposal (or submit revisions)